CLAIMS

1.   A method for managing resources for an active computing environment comprising:

encapsulating said active computing environment;

promoting said active computing environment to a first class object status;

performing a resource management operation on said first class object.

2.   The method of claim 1 wherein said resource management operation comprises a guaranteed share of resources.

3.   The method of claim 1 wherein said resource management operation comprises a resource management algorithm.

4.   The method of claim 1 wherein said resource management operation comprises a restriction of network access on said first class object.

5.   The method of claim 1 wherein said resource management operation comprises a restriction of access to a local file system on said first class object.

6.   The method of claim 1 wherein said resource management operation comprises a user-level control.

7. The method of claim 6 wherein said user-level control comprises:

dividing a resource between one or more members of said active computing environment.

8. A resource manager comprising:

an active computing environment;

a first class object configured to be obtained by promoting said active computing environment; and

a resource manager configured to perform an operation on said first class object.

9. The resource manager of claim 8 wherein said resource manager assigns a guaranteed share of resources to said first class object.

10. The resource manager of claim 8 wherein said resource manager applies a resource management algorithm to said first class object.

11. The resource manager of claim 8 wherein said resource manager imposes a restriction of network access on said first class object.

12. The resource manager of claim 8 wherein said resource manager imposes a restriction of access to a local file system on said first class object.

13. The resource manager of claim 8 wherein said resource manager has a user-level controller.

24

14. The resource manager of claim 13 wherein said user-level controller comprises:

a resource divider configured to divide a resource between one or more members of said active computing environment.

15. A computer program product comprising:

a computer usable medium having computer readable program code embodied therein configured to manage resources with respect to an active computing environment, said computer program product comprising:

computer readable code configured to cause a computer to encapsulate said active computing environment;

computer readable code configured to cause a computer to promote said active computing environment to a first class object status;

computer readable code configured to cause a computer to perform a resource management operation on said first class object.

16. The computer program product of claim 15 wherein said computer readable code configured to cause a computer to perform a resource management operation comprises a guaranteed share of resources.

17. The computer program product of claim 15 wherein said computer readable code configured to cause a computer to perform a resource management operation comprises a resource management algorithm.

25

18. The computer program product of claim 15 wherein said computer readable code configured to cause a computer to perform a resource management operation comprises a restriction of network access on said first class object.

19. The computer program product of claim 15 wherein said computer readable code configured to cause a computer to perform a resource management operation comprises a restriction of access to a local file system on said first class object.

20. The computer program product of claim 15 wherein said computer readable code configured to cause a computer to perform a resource management operation comprises a user-level control.

21. The computer program product of claim 20 wherein said user-level control comprises:

computer readable code configured to cause a computer to divide a resource between one or more members of said active computing environment.